



SEQUENCE LISTING

<110> Barany, Francis
Day, Joseph P.
Hammer, Robert P.
Bergstrom, Donald E.

<120> COUPLED POLYMERASE CHAIN REACTION-RESTRICTION
ENDONUCLEASE DIGESTION-LIGASE DETECTION REACTION
PROCESS

<130> 19603/481

<140> 09/528,014

<141> 2000-03-17

<150> 60/125,251

<151> 1999-03-19

<160> 36

<170> PatentIn Ver. 2.1

<210> 1

<211> 50

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Oligonucleotide

<400> 1

tgtgatgatg gtgaggatgg gcctccggtt catgccgccc atcgaggaac

50

<210> 2

<211> 50

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Oligonucleotide

<400> 2

gttcctgcat gggcggcatg aaccggaggc ccatcctcac catcatcaca

50

<211> 25
 <212> DNA
 <213> Artificial Sequence

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 Oligonucleotide

<220>
 <221> N_region
 <222> (25)
 <223> Where N is A,C,T,G or Q(n) analog

<400> 3
 ttcttctgc atgggcggca tgaan

25

<210> 4
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 Oligonucleotide

<220>
 <221> N_region
 <222> (26)
 <223> Where N is A,C,T,G or Q(n) analog

<400> 4
 ttctgatgat ggtgaggatg ggcctn

26

<210> 5
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 <213> Artificial Sequence

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 Oligonucleotide

<400> 5
 cttggacgag ttcatacgcg ttcttgcattg ggcggcatga

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<211> 38
<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Oligonucleotide

<400> 6
gcaaactggg tcgccacgtg atgatggtga ggatgggc

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<210> 7
<211> 19
<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Oligonucleotide

<400> 7
cttggacgag ttcatacgc

19

<210> 8
<211> 17
<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Oligonucleotide

<400> 8
gcaaactggg tcgccac

17

<210> 9
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 9
cttggacgag ttcatacgcg ttcctgcatg ggcggcatga at 42

<210> 10
<211> 41
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Oligonucleotide

<400> 10
gcaaactggg tcgccacgtg atgatggtga ggatgggcct t 41

<210> 11
<211> 24
<212> DNA
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<220>
<223> Description of Artificial Sequence: Synthetic
Oligonucleotide

<400> 11
aaaaaagcat ggcggcatg aaca 24

<210> 12
<211> 22
<212> DNA
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<220>
<223> Description of Artificial Sequence: Synthetic
Oligonucleotide

<400> 12
aaaagcatgg gcggcatgaa cg 22

<210> 13
<211> 20
<212> DNA

<220>
 <223> Description of Artificial Sequence: Synthetic
 Oligonucleotide

<400> 13
 aagcatgggc ggcatgaact 20

<210> 14
 <211> 18
 <212> DNA
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 <223> Description of Artificial Sequence: Synthetic
 Oligonucleotide

<400> 14
 gcatgggcgg catgaacc 18

<210> 15
 <211> 22
 <212> DNA
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 Oligonucleotide

<400> 15
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<210> 16
 <211> 60
 <212> DNA
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 Oligonucleotide

<220>
 <221> N_region
 <222> (30)

<400> 16
ccaagtgatg atggtgagga tgggcctccn gttcatgccg cccatgcagg aacgcgtatg 60

<210> 17
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Oligonucleotide

<400> 17
gttcctgcat gggcgcatg aactggaggc ccacctcac catcatcaca 50

<210> 18
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
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Oligonucleotide

<400> 18
gttcctgcat gggcgcatg aacgggaggc ccacctcac catcatcaca 50

<210> 19
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
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Oligonucleotide

<400> 19
gttcctgcat gggcgcatg aacaggaggc ccacctcac catcatcaca 50

<210> 20
<211> 50
<212> DNA

<220>
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<210> 21
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 Oligonucleotide

<400> 21
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<210> 22
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
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 Oligonucleotide

<400> 22
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<210> 23
 <211> 50
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 Oligonucleotide

<400> 23
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<211> 50
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Oligonucleotide

<400> 24
gttcctgcat ggcggcatg aacgcgaggc ccatactcac catcatcaca 50

<210> 25
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
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Oligonucleotide

<400> 25
cttgacgag ttcatacgcg ttctgcatg ggcggcatga ac 42

<210> 26
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Oligonucleotide

<400> 26
cttgacgag ttcatacgcg ttctgcatg ggcggcatga ag 42

<210> 27
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
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Oligonucleotide

cttggacgag ttcatacgcg ttcctgcatg ggcggcatga aa

42

<210> 28

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Oligonucleotide

<400> 28

gttcctgcat ggcgggca

18

<210> 29

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Oligonucleotide

<400> 29

gtgatgatgg tgaggatgg

19

<210> 30

<211> 23

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Oligonucleotide

<400> 30

gttcctgcat ggcgggcatg aat

23

<210> 31

<211> 24

<212> DNA

<213> Artificial Sequence

<223> Description of Artificial Sequence: Synthetic
Oligonucleotide

<400> 31
gtgatgatgg tgaggatggg cctt

24

<210> 32
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Oligonucleotide

<220>
<221> N_region
<222> (25)
<223> Where N is Q(6) analog

<400> 32
ttcttctgc atgggcggca tgaan

25

<210> 33
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
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Oligonucleotide

<400> 33
aaaaaaaaagc atgggcggca tgaatc

26

<210> 34
<211> 60
<212> DNA
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Oligonucleotide

<221> N_region

<222> (30)

<223> Where N is A,C,T,G

<400> 34

ccaagtgatg atggtgagga tgggcctggn gttcatgccg cccatgcagg aacgcgtatg 60

<210> 35

<211> 24

<212> DNA

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Oligonucleotide

<400> 35

gcctcatctt gggcctgtgt tatc

24

<210> 36

<211> 28

<212> DNA

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<223> Description of Artificial Sequence: Synthetic
Oligonucleotide

<400> 36

gtggatgggt agtagtatgg aagaaatc

28